

VLBA

Antenna Memo #8

Interoffice

National Radio Astronomy Observatory

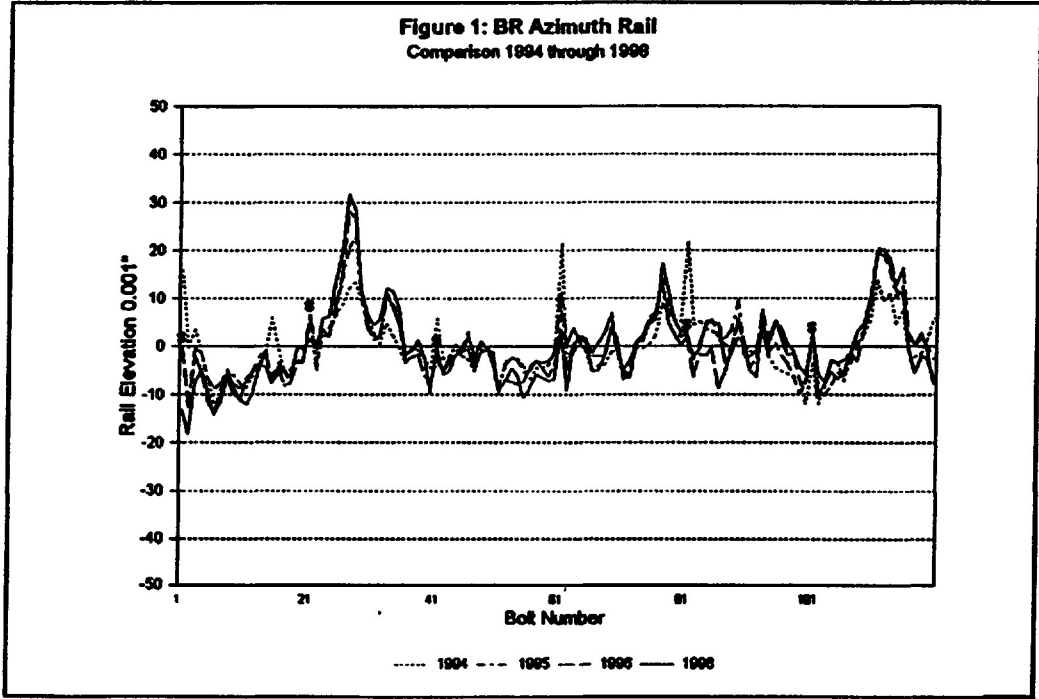
New Mexico

February 18th, 1998

TO: Clint Janes, Paul Rhodes, Jim Ruff, Lew Serna, Dick Sramek, Guy Stanzione, Jon Thunborg, BRVLBA
FROM: Bob Broilo
SUBJECT: Brewster, WA VLBA Site Azimuth Rail Inspection, February 2nd

On Monday, February 2nd, 1998, I arrived at the Brewster, Washington VLBA Site. The weather was generally good with light rain and fog. The area was in the midst of a "heat wave" and the temperatures soared into the upper 30s. This melted what would have been ice and greatly helped the work that needed to be done.

The site technicians and I set up the instrument and we measured the Azimuth Rail. I installed the spreadsheet program on the station computer and used it to plot the rail elevations. We were able to compare these to previous elevations. A plot comparing the rail elevations through several years is shown in Figure 1.



This rail and supporting grout seems to be much more stable than the rails we have been repairing. There has been little movement since 1996. There is an

